

Curriculum vitae
Supasit Pannarunothai

- 1. Age:** 61 **Sex:** male **Nationality:** Thai
Home Address: 47/3 Singhawat Road, Moo 5, Plaichumphol, Mueang District,
 Phitsanulok 65000, Thailand
 Phone: +66 55 336008; Mobile: +66 81 5965622
Office: Centre for Health Equity Monitoring Foundation
 173/113, Moo 7, Phitsanulok-Nakhon Sawan Road, Thapho, Mueang District,
 Phitsanulok Thailand 65000, Tel/Fax +66 55 261109
Occupation: University professor (retired on 30 September 2015)

2. Degrees

<u>Degree</u>	<u>Institute</u>	<u>Year</u>
BSc	Faculty of Science, Mahidol University	1976
Medical Doctor	Faculty of Medicine Ramathibodi Hospital Mahidol University, Thailand	1978
DTM&H	Faculty of Tropical Medicine Mahidol University, Thailand	1982
MSc (Public Health)	National University of Singapore Singapore	1984
PhD (Health Planning and Financing)	London School of Tropical Medicine and University of London	1993

3. Post held

Chair, Centre for Health Equity Monitoring Foundation	2015-present
Head, Centre for Health Equity Monitoring, Faculty of Medicine, Naresuan University	1998-2015
Professor, Faculty of Medicine, Naresuan University	2002-present
Dean, Faculty of Medicine, Naresuan University	2005-2014
Associate Professor, Faculty of Medicine, Naresuan University	1998-2002
Lecturer, Faculty of Medicine, Naresuan University	1998
Physician, Buddhachinaraj Hospital	1993-1998
Chief, Planning and Project Section, Provincial Hospital Division	1988-1990
Community physician, Buddhachinaraj Hospital	1982-1988
Surgeon, Buddhachinaraj Hospital	1979-1982

Honourary award

Outstanding Civil Servant of Phitsanulok Province 1986
 Outstanding lecturer on research, Naresuan University 2002
 Outstanding personnel of Naresuan University 2003
 Ethical Medical Lecturer of Thai Medical Council Naresuan University 2003
 Thai Wisdom Scholar at 400th Anniversary of King Naresuan 2005
 Most Devoted Person of Faculty of Medicine, Naresuan University 2007

Most Outstanding Alumnus of the Faculty of Tropical Medicine, Mahidol University 2009
Outstanding Alumnus of Wat Rajathivas School 2014
Outstanding Alumnus in Administration of Faculty of Medicine Ramathibodi Hospital 2015

4. Recent Publications:

Chuakhamfoo N, Pannarunothai S. (2016). Long-Term Care: Choices for Thailand as a Middle-Income Country. *Journal of Community Development Research (Humanities and Social Sciences)*; 9(1): 15-32.

Khiaocharoen O, Pannarunothai S, Zungsontiporn C, Stienrut P.(2016). Casemix and Payment Method Development for Thai Traditional Medicine Inpatient Casemix. *Journal of Health Science*, 25(3): 495-507.

Pannarunothai S. (2016). Editorial: Thai Diagnosis Related Group in Future ASEAN. *Journal of Health Science*, 25(3): 351-352.

Henprasert N, Pannarunothai, Upakdee N, Phanthunane P (2016). Efficiency of Financial Accounting System of the National Health Security Fund: Opinion from Accountant Personnel. *Journal of Health Science*, 25(3): 508-518.

Khotcharrat R, Patikulsil D, Hanutsaha P, Khiaocharoen U, Ratanapakorn T, Sutteerawatananonda M, Pannarunothai S. (2015). Epidemiology of Age-Related Macular Degeneration among the Elderly Population in Thailand. *Journal of the Medical Association of Thailand*, 99(8): 790-7.

Pham Le Tuan, Vu Thanh Nam, Tham Chi Dung, Cao Ngoc Anh, Nguyen Thi Huong, Nguyen Nam Lien, Chairaj Zungsontiporn, Orathai Khiaocharoen, Supasit Pannarunothai (2015). Adopting Thai Diagnosis Related Group for Vietnam Universal Health Coverage: a case of Ba Vi district hospital. *Siriraj Medical Journal*, 67:227-234.

Khiaocharoen O, Pannarunothai S, Riewpaiboon W, Zungsontiporn C. (2015). Rehabilitation Service Development for Sub-acute and Non-acute Patients under the Universal Coverage Scheme in Thailand. *Journal of Health Science*, 24(3): 493-509.

Seeberg J, Pannarunothai S, Padmawati RS, Trisnantoro L, Barua N, Pandav CS. (2014). Treatment seeking and health financing in selected poor urban neighbourhoods in India, Indonesia and Thailand. *Social Science and Medicine*, 102: 49-57.

Laonapaporn B, Punthunane P, Pannarunothai S, Spilles N (2014). Activity based costing system of Continuous Ambulatory Peritoneal Dialysis (CAPD) under the universal coverage scheme in Nopparat Rajathanee Hospital, Thailand. *Journal of the Nephrology Society of Thailand*, 23(3): 46-52.

Sumputtanon K, Upakdee N, Pannarunothai S (2014) Patterns of Outpatient Services and Charge for Patients Enrolled in the Universal Health Coverage Scheme. *Journal of Health Systems Research*, 8(1): 27-36.

Phanthunane P, Siririsakulchai J, Taekratoke T, Pannarunothai S (2014). Road Safety Investment: A Step to Achieve the Decade of Action on Road Safety Goal in Thailand. *Journal of Safety and Health*, 7(24): 12-28.

Weraphong J, Pannarunothai S, Luxananun T, Junsri N & Deesawatsripetch S. (2013). Catastrophic Health Expenditure in an Urban City: Seven Years After Universal Coverage Policy in Thailand. *Southeast Asian J Trop Med Public Health*, 44(1): 124-36.

Punnan M, Supanatsetakul N, Satayasai W, Arora R, Pannarunothai S (2012). Qualification and needs for self-development of supporting staff in Medical Education Centers. *South East Asian Journal of Medical Education*, 6(1): 39-41.

Chuangchum P, Pholchan T, Nopkesorn T, Pannarunothai S, (2012) Effects of using an integrated team-based and problem-based learning approach for developing lifelong learning characteristics of first year medical students. *South East Asian Association for Medical Education*, 5(2): 34-40.

Pannarunothai S, Phanthunane P (2012). Using utilisation data to estimate future demand of medical internists: The impact of demographic demand driver in Thailand. *Stud Health Technol Inform; 178 (Health Informatics: Building a Healthcare Future Through Trusted Information.)* P 169-174.

Khiaocharoen O, Pannarunothai S, Riewpaiboon W, Ingsrisawang L, Teerawattananon Y (2012). Economic evaluation of rehabilitation services for inpatients with stroke in Thailand: A prospective cohort study. *Value in Health Regional Issues Asia*, 1: 29-35.

Khiaocharoen O, Pannarunothai S, Zungsontiporn C (2012) Cost of Acute and Sub-Acute Care for Stroke Patients. *Journal of the Medical Association of Thailand*, 95(10):1266-77.

Khiaocharoen O, Pannarunothai S, Riewpaiboon A, Zungsontiporn C (2012) Estimating Patient-Level Costs for Acute and Sub-Acute Inpatient Services in Thailand. *Siriraj Medical Journal*; 64: 157-62.

Chaiyamahapurk S, Pannarunothai S, Nopkesorn T (2011). HIV Prevention with Positives and Disclosure of HIV Status: Practice and Views of Thai Healthcare Providers. *Journal of the Medical Association of Thailand*, 94(11):1-7.

Khiaocharoen O, Pannarunothai S, Zungsontiporn C, Riewpaiboon A. (2011) Patient-Level Cost for Thai Diagnosis-Related Groups: Micro-Costing Method. *Journal of Health Sciences*. 20: 572-85.

Taechasubamorn P, Nopkesorn T, Pannarunothai S (2011). Prevalence of Low Back Pain among Rice Farmers in a Rural Community in Thailand. *J Med Assoc Thai* 93(5): 616-621.

Taechasubamorn P, Nopkesorn T, Pannarunothai S (2010) Comparison of Physical Fitness between Rice Farmers with and without Chronic Low Back Pain: A Cross-Sectional Study. *J Med Assoc Thai*; 93 (12): 1415-21.

Thongsri T, Pannarunothai S. (2010) Impact of the Cardiac Network on the 7-day Case Fatality Rate of Patients with Acute Myocardial Infarction. *ASEAN Heart J*;18:21-26.

Kijsanayotin B, Kasitipradith N, Pannarunothai S. (2010) eHealth in Thailand: the current status. *Studies in Health Technology and Informatics*, 160(Pt 1):376-80.

Kijsanayotin, B, Pannarunothai S, Speedie S. (2009) Factors influencing health information technology adoption in Thailand's community health centers: Applying the UTAUT model. *International Journal of Medical Informatics*; 78: 404-416.

Thanapop S, Pannarunothai S, Chongsuvivatwong V (2009) Profile of Hospital Charges for Chronic Conditions by Health Status and Severity Level: A Case Study of 4 Provinces in Thailand. *Asia-Pacific Journal of Public Health*; 21(2): 196-204.

Pongpirul K, Starfield B, Srivanichakorn S, Pannarunothai S. (2009) Policy characteristics facilitating primary health care in Thailand: A pilot study in transitional country. *International Journal for Equity in Health*;8.

Kheawcharoen O, Riewpaiboon W, Pannarunothai S, Reabroy L (2009). Medical Rehabilitation Services and Outcome Evaluation Process: A Situation Analysis in Thailand. *Journal of Health Science*, 18:475-88.

Wanaratwichit C, Sirasoonthorn P, Pannarunothai S, Noosorn N. (2008) Access to services and complications experienced by disabled people in Thailand. *Asia Pac J Public Health*; 20(Suppl): 251-6.

Ondee P, Pannarunothai S (2008). Stakeholder Analysis: Who are the Key Actors in Establishing and Developing Thai Independent Consumer Organizations? *International Journal of Social Sciences* 3; 4: 265-275.

Pannarunothai S (2008). Improving equity in health through health financing reform: a case study of the introduction of universal coverage in Thailand. In Bennett S, Gilson L, Mills A (eds) *Health, Economic Development and Household Poverty*. London: Routledge, p 189-202.

Faramnuayphol P, Chongsuvivatwong V, Pannarunothai S (2008). Geographical Variation of Mortality in Thailand. *J Med Assoc Thailand*; 91(9): 1455-60.

Kijsanayotin B, Pannarunothai S, Speedie S (2007). Penetration and Adoption of Health Information Technology (IT) in Thailand's Community Health Centers (CHCs): A National Survey. *Studies in Health Technology and Informatics*, 129: 1154-1158.

Pitiputtipong J, Uthaisaengsook W, Pannarunothai (2007). Alcohol Drinking and Helicobacter pylori Infection in Peptic Ulcer Patients. *Journal of Health Science*, 16: S69-S77.

Benjakul S, Pannarunothai S (2007). Income related inequalities in health between the poor and the rich under universal health care coverage scheme, 2003-2005. *Health Policy and Planning Journal (Thailand)*, 10: 45-59.

Pannarunothai S, Faramnuayphol P (2006). Benchmarks of fairness for health care reform in Thailand-combining evidence with opinion of the civic group. *Southeast Asian Journal of Tropical Medicine*, 37(2): 417-25.

Pitiputtipong J, Uthaisaengsook W, Pannarunothai (2007). Alcohol Drinking and Helicobacter pylori Infection in Peptic Ulcer Patients. *Journal of Health Science*, 16: S69-S77.

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Krissanakriangkrai O, Suwankit S, Janchuea D, Kawewon V, Pannarunothai S (2006). Child development in daycare centers in Tapho, Mueng District, Phitsanulok Province. *Buddhachinaraj Medical Journal*, 23: 196-206.

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Poomtong C, Kumseesung P, Chunsombat W, Komhangpol W, Likitwasinpong W, Pannarunothai S (2006) Unit cost of services at primary care unit in Uthaitani Province in 2004. *Journal of Health and Environment Regional Health Promotion Center* 8, 1(2): 15-22.

Theekaphorn N, Siripiyanon V, Bunmang S, Vetjarus J, Glomchit S, Pannarunothai S (2006) Management model of contracting unit for primary care in Nakhonsawa Province. *Journal of Health and Environment Regional Health Promotion Center* 8, 1(1): 17-29.

Kongsawatt S, Pannarunothai S (2005). Universal Coverage Policy and the Access and Utilisation of Health Care among the Poor in Bangkok. *Journal of Health Science*, 14(6): 1008-21.

Kessomboon P, Pannarunothai S (2005). Options for Designing a Patient Compensation System. *Journal of Health Science*, 14: 941-54.

Techowanich S, Buayaem W, Tawornroongrote S, Pannarunothai S (2005). People's Ideology towards universal health coverage. *Journal of Social Science*, 1(2): 177-195.

Pannarunothai S, Patmasiriwat D, Kongsawatt S (2005). Universal health coverage policy and access to care at household level: Report of panel household survey in 2003/2001. *Journal of Public and Private Management*, 12(2): 29-47.

Daniels N, Flores W, Pannarunothai S, Ndumbe PN, Bryant JH, Ngulube TJ, Wang Y (2005). An Evidence-Based Approach to Benchmarking the Fairness of Health Sector Reform in Developing Countries. *Bulletin of the World Health Organisation*, 83: 534-40.

Kessomboon P, Pannarunothai S and Wongkanaratanakul P (2005). Detecting adverse events in Thai hospitals using medical record reviews: agreement among reviewers. *J Med Asso Thailand*; 88: 1412-8.

Suranattakul K, Sonchai S, Pannarunothai S (2005). Cost of Patient Care by Health Insurance Policy of Buddhachinaraj Hospital. *Buddhachinaraj Hospital Journal*, 22:117-26.

Limwattananon S, Kongsawatt S, Pannarunothai (2005). Screening for Poor People Using Household Information. *Journal of Health Science*, 14: 275-86.

Kumluang K, Taesombat T, Ondee N, Kumluang P, Theerakarn S, Pannarunothai (2005). Budget Allocation Model for Health Center Services in Phitsanulok under the Universal Coverage Policy. *Journal of Health Science*, 14: 495-505.

Pannarunothai S, Patmasiriwat D, Srithamrongsawat S (2004). Universal health coverage in Thailand: Ideas for reform and policy struggling. *Health Policy*, 68:17-30.

Pannarunothai S (2004) Equity in health: concept and data in Thailand. *Journal of the Medical Association of Thailand*, 86(9):889-95.

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Limwattananon S, Limwattananon C, Pannarunothai (2003). Use of hospital electronic database of drug utilization analysis: A tool for an evaluation of universal health coverage policy. *Journal of Health Science*, 12(2): 169-84.

Pannarunothai S (2002). Financing undergraduate and postgraduate medical education: the missing jigsaw. *The Thai Medical Council Bulletin*, 31(1): 37-48.

- Pannarunothai S, Patmasiriwat D and Srithamrongsawat S (2002). Budget for universal health coverage policy: the weakness of 1,202 baht per capita. *Journal of Health Science*; 11(1): 121-125 letter to editor.
- Pannarunothai S (2001). High cost care: what is the required budget and how to manage? *Journal of Health Policy and Planning (Thailand)*, 4(3):6-17.
- Leesmidt V, Pannarunothai S, Chongsuvivatwong V (2001). Implementing the universal health coverage: which source of information is more reliable? *Southeast Asian Journal of Tropical Medicine* 32(4): 674-681.
- Pannarunothai S, Kongpan M and Mangklasiri R (2001). Costs and effectiveness of the urban health centre in Nakhon Ratchasima: a case study on diabetes and hypertension. *Journal of the Medical Association of Thailand*; 84(8): 1204-1211.
- Pannarunothai S (2001). Universal Health Coverage The Financial Feasibility in 2001 to 2015. *The Thai Medical Council Bulletin*, 30(2): 124-139.
- Pannarunothai S (2001). In house- export – import: Concerns on uses of information for universal health coverage in 6 pilot provinces. *Journal of Health Science*; 10(2): 205-215.
- Pannarunothai S and Kongsawatt S (2001). Costs per DRG relative weight for regional, general and community hospitals. *Journal of Health Science*; 10(3): 391-399.
- Pannarunothai S, Srithamrongsawat S, Kongpan M and Thumvanna P (2000). Financing reforms for the Thai health card scheme. *Health Policy and Planning* 15(3): 303-311.
- Pannarunothai S, Srithamrongsawat S (2000). Benchmarks of fairness for health system reform: the tool for national and provincial health development in Thailand. *Human Resources for Health Development Journal*, 4(1): 13-26.
- Pannarunothai S and Leesmidt V (2000). Health Resources and Decentralisation: Opportunity for the Health Universal Coverage in Thailand. *Journal of Health Science*, 9(1): 15-25.
- Makinen M, Waters H, Rauch M, Almagambetova N, Bitran R, Gilson L, McIntyre D, Pannarunothai S, Prieto AL, Ubilla G and Ram S (2000). Inequalities in health care use and expenditures: empirical data from eight developing countries and countries in transition. *Bulletin of the World Health Organisation*, 78 (1): 55-65.
- Daniels N, Bryant J, Castano RA, Dantes OG, Khan KS, Pannarunothai S (2000). Benchmarks of Fairness for Health Care Reform: A Policy Tool for Developing Countries. *Bulletin of the World Health Organisation*, 78 (6): 740-750.

Chongsuviwatwong V, Sujariyakul A and Pannarunothai S (1999). Who gains and who loses under the Thai DRG payment? *Casemix*, 3, 30th September 1999.

Pannarunothai S and Mills A (1998). Researching the public and private mix in health care in a Thai urban area: Methodological approaches. *Health Policy and Planning*, 13(3): 234-248.

Pannarunothai S and Mills A (1997). The poor pay more: health-related inequity in Thailand. *Social Science and Medicine*, 44, 12, 1781-1790.

Pannarunothai S and Mills A (1997). Characteristics of public and private health care providers in a Thai urban setting. In Bennett S, McPake B and Mills A (eds) *Private health providers in developing countries. Serving the Public Interest?* London: Zed Books.

Pannarunothai S, Boonpadung D and Kittidilokkul S (1997). Paying health personnel in government sector by fee-for-service: a challenge to productivity, quality and moral hazard. *Human Resources for Health Development Journal*, 1(2): 127-134.

Pannarunothai S (1995). The bed census survey: a tool for studying hospital inpatient services. *Health Policy and Planning*; 10(4): 438-440.

Pannarunothai S (1993). The financing of private hospitals in Thailand. *The Health Exchange*, June/July, 6-7.

Pannarunothai S (1992). Nosocomial infection control activities in Thailand 1989. *Journal of the Medical Association of Thailand*, Mar; 75 Suppl 2:31-34.

5. Other research reports/international presentation/text books

Tangcharoensathien V, Jongudomsuk P, Srithamrongsawat S, Patcharanarumol W, Limwattananon S, Pannarunothai S, Vapatanavong P, Sawaengdee K, Fahamnuaypol P. (2015). The Kingdom of Thailand Health System Review. Health Systems in Transition, Vol. 5 No. 5. Asia Pacific Observatory on Health Systems and Policies. Manila: World Health Organization, Regional Office for the Western Pacific.

Pannarunothai S (2006). Ethical aspects of the Thai health care systems. Presented at the Fourth National Meeting of the Indonesian Network of Bioethics and Health Humanities (JBHKI) at the Airlangga University School of Medicine, November 30–December 2, 2006.

Pannarunothai S, Tangcharoensathien V, Limwattananon S (2006). Reviews of health information systems for monitoring health equity help reduce redundancy and enhance equity policy development in Thailand. Presented at The 4th International Conference *Creating Healthy Societies through Inclusion and Equity*, September 11- 13, 2006, Adelaide University.

Pannarunothai S, Pirunsarn A, Seeberg J (2006). Health seeking and spending of people in an urban poor neighbourhood in the Lower North of Thailand. Presented at The 4th International Conference *Creating Healthy Societies through Inclusion and Equity*, September 11- 13, 2006, Adelaide University.

Pannarunothai S (2005). Health finance and physician payment systems in Thailand. Presented at a conference hosted by Gadjah Mada University at Hotel Aston, Jakarta, 18 October 2005.

Pannarunothai S (2005). Health Sector Reforms in Developing Countries. Symposium 4: Health Systems and Policy, the First Regional Conference on Global Health 20-21 December 2005 at Legend Hotel on Jalan Putra, Kuala Lumpur, Malaysia.

Pannarunothai S (2004). Inpatient and outpatient casemix systems to predict capitation budget. A paper presented at the 20th Symposium on Patient Classification System/Europe, 28-30 October 2004, Budapest, Hungary.

Pannarunothai S (2004). The 30-Baht Policy as an egalitarian approach to health coverage in Thailand. Paper presented at the Regional Conference on Cost-Effectiveness Healthcare 2004, organised by Singapore General Hospital Postgraduate Medical Institute, 21-23 October 2004 at Grand Copthorne Waterfront Hotel, Singapore.

Pannarunothai S (2004). Benchmarks of Fairness for Health Care Reform in Thailand-Combining evidence with opinion of the civic group. At 3rd International Conference. International Society for Equity in Health, 10-12 June 2004.

Pannarunothai S (2003). Benchmarks of Fairness For Health Care Reform in Thailand-Combining evidence with opinion of the civic group. At the 131st Annual Meeting of the American Public Health Association, 17 November 2003.

Pannarunothai S (2003). Thailand in Transition: Lessons to be Learnt. In the Casemix Conference in Malaysia. 'Improving the National Health Care System Through Casemix' 7-8 July 2003.

Pannarunothai S (2002). *Different models of DRG implementation in the universal coverage in Thailand*. A paper presented at the 18th Symposium on Patient Classification System/Europe, 3-5 October 2002, Innsbruck, Austria.

Pannarunothai S, Patmasiriwat D, Kongsawatt S, Srithamrongsawat S, Suttayakom W, Rodsawaeng P (2002). Sustainable Universal Health Coverage: Household Met Need. Research report to JICA and Health Systems Research Institute

Pannarunothai S (2001). The low income card scheme: financing and targeting. In Wibulpholprasert S (ed) Health Insurance in Thailand. Nonthaburi: Health Insurance Office.

Pannarunothai S (2001). Development of Diagnosis Related Group in Thailand. In Wibulpholprasert S (ed) Health Insurance in Thailand. Nonthaburi: Health Insurance Office.

Pannarunothai S (2001). Health Economics in the Health Reform Era. Phitsanulok: Centre for Health Equity Monitoring Faculty of Medicine, Naresuan University

Pannarunothai (2001). The Benchmark of Fairness. WHO SEARO 19-20 June 2001.

Pannarunothai S and Patmasiriwat D (2001). Macroeconomic indicators for monitoring equity in health finance and delivery. Research report to Health Systems Research Institute.

Pannarunothai S and Nitayarumphong S (2000). Strategies to Improve the Use of Health Systems Research for Sector Reform: The Universal Coverage for the Thai Health System: The success and failure policy strategies. Concerted Action research with Heidelberg University, funded by the EU.

Pannarunothai S, Patmasiriwat D and Srithamrongsawat S (2000) Feasibility and options of financing for universal health coverage in Thailand. Research report to the Health Care Reform Office.

Pannarunothai (2000). The Concept of Equity. Presented in Ethics, local resource allocation in health and concepts of patient autonomy in seven countries in South and Southeast Asia: SEAHEN workshop to develop research protocol, New Delhi 23-26 August 2000 India International Centre.

Pannarunothai S and Rehnberg C (1998). Equity of health care delivery in Thailand. A paper presented at Partnerships for Health Reform Major Applied Research Equity of Revenue Generation and Resource Allocation, Bethesda, Maryland, USA March 23-27, 1998.

Nitayarumphong S and Pannarunothai (1998). Thailand Country Report. A paper presented at the International Seminar on Health Care Financing Reform, Achieving Universal Coverage for Health Care through Health Insurance: Experiences from Middle and Upper Income Countries 15-17 March 1998, Rama Gardens Hotel, Bangkok.

Pannarunothai S (1997). *DRG in Thailand: the third expansion phase in 1997*. A paper presented at the 13th Symposium on Patient Classification System/Europe, 1-3 October 1997, Florence, Italy.

Pannarunothai S (1997). Comparative Situation of Universal Coverage Amongst the Middle-Income Countries. A paper presented at an International Conference on Meditech Asia 97, 6 March 1997 at Queen Sirikit National Convention Centre, Bangkok

Pannarunothai S, Srithamrongsawat S, Kongpan M and Thumwanna P (1997).

Financing reforms for the health card scheme in Thailand: utilisation and financial study. A report to WHO Thailand and WHO Geneva.

Pannarunothai S and Wongkanaratanakul P (1996). Estimation of the cost of basic essential health package for Thailand by using current health expenditure for the low income and other underprivileged groups. An HSRI research report.

Pannarunothai S (1996). Public-Private Mix in Health Care: Case of Thailand. A paper presented at the Regional Conference on Hospital Planning, Development, Management and Technology, 11-12 April 1994, Kuala Lumpur Hilton Hotel, Malaysia.
Published in Haas R, Mahbob S and Tham SY (1996) *Health Care Planning & Development. Conference Proceedings.* Kuala Lumpur: Malaysian Institute of Economic Research.

Nitayarumphong S and Pannarunothai (1996). Thailand at the Crossroads: Challenges for Health Care Reform. A paper presented at the conference Health Care Reform: At the Frontier of Research and Policy Decisions, 22-24 January 1996, Nakornratchasima.

Kunaratnapruk S, Pannarunothai S, Wongkanaratanakul P, Supachutikul A and Kingkaew P (1994). *The price schedule for road traffic accidents, The Thai DRG for Accidents.* A research report supported by the Health Systems Research Institute.

Pannarunothai S and Tangcharoensathien V (1993). *Health financing reforms in Thailand, A blue print.* A paper presented at the Ministry of Public Health and the World Bank workshop on Health Financing in Thailand, 12-13 November 1993, Dusit Resort and Polo Club, Petchburi, Thailand.

6. Consultancy

Australia Indonesia Partnership for Health Systems strengthening (AIPHSS) – Indonesian Diagnosis Related Group (DRG) from January to March 2016 Ministry of Health Jakarta Indonesia.

WHO (Kuala Lumpur, Malaysia) Malaysian Primary Oral Health Casemix, 2014-15.

The International Scientific Cooperation programme (INCO) of the European Commission Regional Evaluation, INCO-DEV-2, Brussels, 8-12 November 2004.

Maldives Ministry of Health “Cost of Thalassaemia Programme, Male, 17-22 June 2004.
European Union EU Mission 'Towards Financial and Operational Sustainability of Health Care Reform in Thailand' January-February 2002.

WHO (Geneva) Consultation on Fairness of Financial Contribution, Temporary Advisor 4-5 October 2001.

Health Insurance Office Analysis of inpatient data by Diagnosis Related Groups 1998-2001.

World Bank (Local consultant) Financial and accounting system, 1999-2000.

WHO (In Lao PDR) The impact of polio eradication on health system, 1999.

ADB (Local consultant) Health Management and Financing study, 1998-99.

OECD (Local consultant) Strengthening Rural Health Infrastructure, 1996.

7. Summary

1. Publications:

- i. Number of Journal Articles: 93 (39 international and 53 domestic)
- ii. No of Books or Chapters of Book: 12
- iii. No of Conference/Seminar Papers/Presentation: 27

2. Experience as Examiner or External Examiner:

Chulalongkorn University (Master of Economics 1998, 2000)
Mahidol University (DrPH 2000, 2002; MA 2004)
Naresuan University (PhD 1996, 1998, 2000, 2005, 2010, 2014;
Master 2005, 2012, 2013, 2014)
National Institute for Development and Administration (PhD 2001)
Prince of Songkla University (PhD 2009)
Australia National University (PhD 2000)
Wollongong University (PhD 2013)
University of Cape Town (PhD 2002)

3. Experience as Examiner in UKM:

PhD (2008, 2010, 2013)
Master (2003)

4.

SUPERVISION OF MASTER AND PHD STUDENTS

Role	PhD		Master	
	No of Students		No of Students	
	Completed	On-going	Completed	On-going
Supervisor	20	10	21	3
Examiner	30	-	20	-